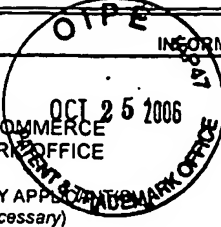


Sheet 1 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: October 25, 2006		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		APPLICANT Edwin SOUTHERN	
		FILING DATE February 6, 2004		GROUP 1631			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,994,373	2/1991	Stavrianopoulos et al.	Duplicate		
AS	AB	6,054,270	4/2000	Southern			
	AC	4,563,419	1/1986	Ranki et al.			
	AD	4,704,353	11/1987	Humphries et al.			
	AE	4,728,502	3/1988	Hamill			
	AF	4,327,073	4/1982	Huang			
	AG	4,216,245	8/1980	Johnson			
	AH	4,395,486	7/1983	Wilson et al.			
	AI	4,656,127	4/1987	Mundy			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	2 156 074	10/1985	UK			
	AK	0 237 362	9/1987	EP			
	AL	93/22480	11/93	WO			
	AM	0 235726A3	9/1987	EP			
	AN	85/01051	3/1985	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AO	G. Beltz et al., Methods in Enzymology, Vol. 100, pp. 265-285, 1983.					
	AP	E. M. Southern et al., Genomics, Vol. 13, pp. 1008-1017, 1992.					
	AQ	Y. P. Lysov et al., Dokl. Akad., Vol. 303, pp. 1508-1511, 1988 (with English translation).					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 14								INFORMATION DISCLOSURE STATEMENT							
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date Submitted to PTO: October 25, 2006				ATTY DOCKET NO. 2004_0200				SERIAL NO. 10/772,467							
APPLICANT Edwin SOUTHERN								FILING DATE February 6, 2004				GROUP 1631			
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL	BA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE								
AS	BA	5,164,319	11/1992	Hafeman et al.											
AS	BB	5,002,867	3/1991	Macevicz											
AS	BC	5,202,231	4/1993	Drmanac et al.											
AS	BD	5,700,637	12/1997	Southern											
	BE														
	BF														
	BG														
	BH														
	BI														
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO								
AS	BJ	0281927A2	9/1988	EP											
AS	BK	0130739A2	1/1985	EP											
AS	BL	0171150B1	2/1986	EP											
AS	BM	86/06487	11/1986	WO											
AS	BN	84/03564	9/1984	WO											
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)															
	BO	F. Kafatos et al., Nucleic Acids Research, Vol. 7, No. 6, pp. 1541-1552, 1979.													
	BP	H. M. Geysen et al., J. Immun. Meth., Vol. 102, pp. 259-274, 1987.													
	BQ	V. J. Kidd et al., Nature, Vol. 304, pp. 230-234, 1983.													
EXAMINER					DATE CONSIDERED										


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Sheet 3 of 14		<b>INFORMATION DISCLOSURE STATEMENT</b>					
FORM PTO 1449 (modified)				ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Edwin SOUTHERN					
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FILING DATE February 6, 2004				GROUP 1631	
Date Submitted to PTO: October 25, 2006							
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	CJ	86/00991	2/1986	WO			
AS	CK	0228075A2	7/1987	EP			
AS	CL	84/03151	8/1984	WO			
AS	CM	0194132A2	9/1986	EP			
AS	CN	0063810A1	11/1982	EP			
<b>OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	CO	P. Masinkowski et al., Nucleic Acids Research, Vol. 10, No. 24, pp. 7895-7903, 1982.					
	CP	G. K. Sim et al., Cell, Vol. 18, pp. 1303-1316, 1979.					
	CQ	W. Bains et al., J. Theor. Biol., Vol. 135, pp. 303-307, 1988.					
EXAMINER				DATE CONSIDERED			

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Sheet 4 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: October 25, 2006		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467			
		APPLICANT Edwin SOUTHERN					
		FILING DATE February 6, 2004			GROUP 1631		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA						
	DB						
	DC						
	DD						
	DF						
	DF						
	DG						
	DH						
	DI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS     ↓	DJ	0130523A3	1/1985	EP			
	DK	0142299A2	5/1985	EP			
	DL	0268237A2	5/1988	EP			
	DM	88/01302	2/1988	WO			
	DN	86/03782	7/1986	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DO	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5373-5390, 1987. <span style="float: right;">No title</span>					
AS	DP	U.B. Voss et al., Biochemical Society Transactions, 624 <sup>th</sup> Meeting, Dublin, pp. 216-217, 1987.					
	DQ	R. K. Saiki et al., Nature, Vol. 324, pp. 163-166, 1986. <span style="float: right;">No title</span>					
EXAMINER				DATE CONSIDERED			

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Sheet 5 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467			
Date Submitted to PTO: October 25, 2006		APPLICANT Edwin SOUTHERN				FILING DATE February 6, 2004	
						GROUP 1631	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	EB						
	EC						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS     	ED	0238332A2	9/1987	EP			
	EE	88/01302	2/1988	WO			
	EF	0 392 546	10/1990	EP			
	EG	570/87	unknown	Yugoslavia			Yes
	EH	1284931	6/1991	CA			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	EI	Wood et al., Proc. Natl. Acad. Sci. (USA), Vol. 82, pp. 1585-1588, 1985.					
	EJ	L. J. Arnold et al., Federation Proceedings, Vol. 43, No. 7, Abstract No. 3669, 1984.					
	EK	T. Maniatis et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory, p. 282, 1982.					
	EL	C. R. Cantor et al., Genomics, Vol. 13, pp. 1378-1383, 1992.					
	EM	G. M. Church et al., Proc. Natl. Acad. Sci. USA, Vol. 81, pp. 1991-1995, 1984.					
	EN	R. Frank, Methods in Enzymology, Vol. 154, pp. 221-251, 1987.					
EXAMINER				DATE CONSIDERED			

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Sheet 6 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: October 25, 2006			ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		
			APPLICANT Edwin SOUTHERN				
			FILING DATE February 6, 2004			GROUP 1631	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	FB						
	FC						
	FD						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	FE	89/11548	11/1989	WO			
AS	FF	237362	9/1987	EP			
	FG						
	FH						
	FI						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	FJ	R. Frank, Nucleic Acids Research, Vol. 11, No. 13, pp. 4365-4377, 1983.					
	FK	A. R. Brautigam et al., J. Clin. Microbiol.; Vol. 12, No. 2, pp. 226-234, 1980.					
	FL	A. Rosenthal et al., Nucleic Acids Research, Vol. 13, No. 4, pp. 1173-1184, 1985.					
	FM	B. Lewin, Genes, 3 <sup>rd</sup> Ed., John Wiley & Sons, pp. 360-362, 1983.					
	FN	M. Anderson et al., Nucleic Acid Hybridisation, A Practical Approach, B. D. Hames et al., eds., IRL Press, pp. 73-111, 1985.					
	FO	M.S. Urdea et al., Gene, Vol. 61, pp. 253-264, 1987.					
EXAMINER				DATE CONSIDERED			

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## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.  
2004\_0200SERIAL NO.  
10/772,467APPLICANT  
Edwin SOUTHERNFILING DATE  
February 6, 2004GROUP  
1631

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	GA						
	GB						
	GC						
	GD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	GF						
	GF						
	GG						
	GH						
	GI						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	GJ	C. G. Miyada et al., Methods in Enzymology, Vol. 154, pp. 94-107, 1987.
	GK	E. Calva et al., J. Biol. Chem., Vol. 255, No. 22, pp. 11011-11016, 1980.
	GL	A. R. Dunn et al., Cell, Vol. 12, pp. 23-36, 1977.
	GM	G. Wengler et al., Virology, Vol. 78, pp. 124-134, 1977.
	GN	J. M. Coffin et al., Cell, Vol. 13, pp. 761-773, 1978.
	GO	A. Palva et al., DNA, Vol. 7, No. 2, pp. 135-142, 1988.

No  
title  
provided

EXAMINER

DATE CONSIDERED

Sheet 8 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467			
Date Submitted to PTO: October 25, 2006		APPLICANT Edwin SOUTHERN				FILING DATE February 6, 2004	
						GROUP 1631	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	HB						
	HC						
	HD						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	HE						
	HF						
	HG						
	HH						
	HI						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	HJ	R. Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method", University of Belgrade (former Yugoslavia), 1988.					
	HK	Tenover, Clinical Microbiology Reviews, Vol. 1, No. 1, pp. 82-101, January 1988.					
	HL	Ogle et al., The Journal of Infectious Diseases, Vol. 155, No. 1, pp. 119-126, January 1987.					
	HM	Moseley et al., Advances in research on Cholera and Related Diarrheas, pp. 207-216, 1983.					
	HN	Frankel et al., The Journal of Infectious Diseases, Vol. 161, pp. 1252-1256, 1990.					
	HO	Ezaki, Asian Med. J., Vol. 34, No. 8, pp. 454-459, 1991.					
EXAMINER				DATE CONSIDERED			

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Sheet 9 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date Submitted to PTO: October 25, 2006		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		APPLICANT Edwin SOUTHERN	
		FILING DATE February 6, 2004		GROUP 1631			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	IB						
	IC						
	ID						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	IF						
	IF						
	IG						
	IH						
	II						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	IJ	Ezaki et al., Cancer, Vol. 61, pp. 106-109, 1988.					
	IK	Horn et al., Concise Communications, pp. 1250-1252, (date unknown).					
	IL	Robins-Browne et al., Journal of Clinical Microbiology, Vol. 27, No. 4, pp. 644-650, April 1989.					
	IM	Ezaki et al., International Journal of Systematic Bacteriology, Vol. 36, No. 2, pp. 345-347, 1986.					
	IN	McDonough et al., Journal of Clinical Microbiology, Vol. 26, No. 12, pp. 2515-2519, 1988.					
	IO	Bunemann et al., Nucleic Acids Research, Vol. 10, No. 22, pp. 7163-7180, 1982.					
EXAMINER				DATE CONSIDERED			

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Sheet 10 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date Submitted to PTO: October 25, 2006		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467			
		APPLICANT Edwin SOUTHERN					
		FILING DATE February 6, 2004			GROUP 1631		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	JA						
	JB						
	JC						
	JD						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	JE						
	JF						
	JG						
	JH						
	JI						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	JJ	Forster et al., Nucleic Acids Research, Vol. 13, No. 3, pp. 745-761, 1985.					
	JK	Koomey et al., Infection and Immunity, Vol. 43, No. 1, pp. 101-107, January 1984.					
	JJ	Syvanen, Medical Biology, Vol. 64, pp. 313-324, 1986, Review Article.					
	JM	Nagata et al., FEBS Letters, Vol. 183, No. 2, pp. 379-382, April 1985. <i>Us title</i>					
	JN	Ezaki et al., FEMS Microbiology Letters, Vol. 67, pp. 127-130, 1990.					
	JO	Kilpper-Balz et al., System. Appl. Microbiol., Vol. 5, pp. 494-500, 1984.					
EXAMINER				DATE CONSIDERED			

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Sheet 11 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: October 25, 2006			ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		
			APPLICANT Edwin SOUTHERN				
			FILING DATE February 6, 2004			GROUP 1631	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	KA						
	KB						
	KC						
	KD						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	KE	1284931	1/91	CA			
AS	KF	89/11548	11/89	WO			
AS	KG	237362	9/87	EP			
	KH						
	KI						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	KJ	Habermehl, Ed., Rapid Methods and Automation in Microbiology and Immunology, pp. 30-33, 1988.					
	KK	Schachter, Diagn. Microbiol. Infect. Dis., Vol. 4, pp. 185-189, 1986.					
	KL	Starnbach, Journal of Clinical Microbiology, Vol. 27, No. 6, pp. 1257-1261, June 1989.					
	KM	Ezaki et al., Microbiol. Immunol., Vol. 32, No. 2, pp. 141-150, 1988. <i>No title</i>					
	KN	Farrow et al., System Appl. Microbiol., Vol. 5, pp. 483-493, 1984.					
	KO	Dean et al., Journal of Clinical Microbiology, Vol. 27, No. 5, pp. 1062-1067, May 1989.					
EXAMINER				DATE CONSIDERED			

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Sheet 12 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: October 25, 2006			ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		
			APPLICANT Edwin SOUTHERN				
			FILING DATE February 6, 2004		GROUP 1631		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
LA							
LB							
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
LC							
LD							
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
LE	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5353-5372, 1987.						
LF	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5373-5390, 1987.						
LG	Church et al., Science, Vol. 240, pp. 185-188, April 8, 1988.						
LH	Bunemann, Nucleic Acids Research, Vol. 10, No. 22, pp. 7181-7196, 1982.						
LI	Brigati et al., Virology, Vol. 126, pp. 32-50, 1983.						
LJ	Fodor et al., Science, Vol. 251, pp. 767-773, 1991.						
LK	Ezaki et al., J. Gen. Appl. Microbiol., Vol. 34, pp. 191-199, 1988.						
LL	Ezaki et al., Journal of Clinical Microbiology, Vol. 26, No. 9, 1708-1713, September 1988.						
LM	Farrow et al., System Appl. Microbiol., Vol. 5, pp. 467-482, 1984.						
EXAMINER			DATE CONSIDERED				

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Sheet 13 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: October 25, 2006				ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467	
				APPLICANT Edwin SOUTHERN			
				FILING DATE February 6, 2004		GROUP 1631	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	MA	4,205,952	6/1980	Cais			
	MB	4,145,406	5/1979	Schick et al.			
	MC	4,000,252	12/1976	Kosak			
	MD	4,254,082	3/1981	Schick et al.			
	ME	4,299,916	11/1981	Litman et al.			
	MC	4,323,647	4/1982	Monji et al.			
	MD	4,442,204	4/1984	Greenquist et al.			
	ME	4,719,176	1/1988	Klotz			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	MF	0 197 266	10/1986	EP			
	MC						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	MP	<del>Bioarray News Vol. 1, No. 1, pp. 1, 8 and 9, June 1, 2001</del> <span style="font-size: 2em; vertical-align: middle;">No title</span>					
AS	MQ	Roche Award Molecular Bioanalytics, 2004 to Professor Edwin Southern et al., pp. 1-4, 2004.					
AS	MQ	Wodicka et al., "Genome-wide expression monitoring in <i>Saccharomyces cerevisiae</i> ", Nature Biotechnology, Vol. 15, pp. 1359-1367, 1997.					
	MQ						
EXAMINER				DATE CONSIDERED			

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Sheet-14 of 14		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>			ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		
Date Submitted to PTO: October 25, 2006			APPLICANT Edwin Southern			FILING DATE February 6, 2004	
GROUP 1631							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS          	NA	4,205,952	6/1980	Cais			
	NB	4,145,406	5/1979	Schick et al.			
	NG	4,000,252	12/1976	Kosak			
	ND	4,254,082	3/1981	Schick et al.			
	NE	4,299,916	11/1981	Litman et al.			
	NF	4,323,647	4/1982	Monji et al.			
	NG	4,442,204	4/1984	Greenquist et al.			
	NH	4,719,176	1/1988	Klotz			
	NI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	NJ	0 197 266	10/1986	EP			English translation of Granted EP Patent
	NK						
	NL						
	NM						
	NN						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	NO	Bioarray News, Vol. 1, No. 1, pp. 1, 8 and 9, June 1, 2001					
AS	NP	Roche Award Molecular Bioanalytics, 2004 to Professor Edwin Southern et al., pp. 1-4, 2004.					
AS	NP	Wodicka et al., "Genome-wide expression monitoring in <i>Saccharomyces cerevisiae</i> ", Nature Biotechnology, Vol. 15, pp. 1359-1367, 1997.					
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				DATE CONSIDERED 02/13/2007			

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			APPLICANT Edwin Southern				
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AS	62	8/1987	Frank et al.			
AS	86	9/1994	Dattagupta et al.			

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AS	61	1 526 708	9/1978	GB		
AS	98	0 119 573 A1	9/1994	EP		

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AS	1	David Kitchin QC and Richard Meade, Affymetrix' Opening Submissions, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, HC 1999 04645, pages 1-81, March 22, 2001, London, United Kingdom.
AS	3	Bird & Bird, Notice to Admit Facts, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-5, January 28, 2000, London, United Kingdom.
AS	4	Richard Meade, Bristows, Second Defendant's Response to the Claimant's Notice to Admit Facts, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-3, June 22, 2000, London, United Kingdom.
AS	5	Bristows, Particulars of Independently Valid Claims, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-2, June 22, 2000, London, United Kingdom.

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AS	6	Richard Meade, Bristows, Statement of Reasons, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-4, June 30, 2000, London, United Kingdom.					
AS	7	Bird & Bird, Statement of Opposition, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-5, June 30, 2000, London, United Kingdom.					
AS	8	Bird & Bird, Re-Re-Re-Amended Particulars of Objections, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 04645, pages 1-5, March 13, 2001, London, United Kingdom.					
AS	9	Alastair Wilson QC, Amended Particulars of Claim, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pages 1-11, November 26, 1999, Oxford, United Kingdom.					
AS	10	Bird & Bird, Amended Particulars of Infringement, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pages 12-14, September 1, 2000, London, United Kingdom.					
AS	11	Richard Meade, Defence and Counterclaim of the First and Second Defendants, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pages 1-6, August 6, 1999, London, United Kingdom.					
AS	12	Richard Meade, Amended Particulars of Objections of the First and Second Defendants, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pages 21-37, January 15, 2001, London, United Kingdom.					
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES    NO
<b>OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
AS	18	Dr. David R. Bentley, Annex 3 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-2, January 30, 2001, London, United Kingdom.					
AS	19	Dr. David R. Bentley, Annex 4 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-4, January 30, 2001, London, United Kingdom.					
AS	20	Dr. David R. Bentley, Annex 5 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-12, January 30, 2001, London, United Kingdom.					
AS	21	Dr. David R. Bentley, Annex 6 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-8, January 30, 2001, London, United Kingdom.					
AS	22	Dr. David R. Bentley, Annex 7 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-2, January 30, 2001, London, United Kingdom.					
AS	23	Dr. David R. Bentley, Annex 8 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-6, January 30, 2001, London, United Kingdom.					
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AS	24	Dr. David R. Bentley, Annex 9 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-12, January 30, 2001, London, United Kingdom.
AS	25	Dr. David R. Bentley, Annex 10 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-14, January 30, 2001, London, United Kingdom.
AS	26	Dr. David R. Bentley, Annex 11 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-5, January 30, 2001, London, United Kingdom.
AS	27	Dr. David R. Bentley, Annex 12 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-6, January 30, 2001, London, United Kingdom.
AS	28	Dr. David R. Bentley, Annex 13 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-8, January 30, 2001, London, United Kingdom.
AS	29	Dr. David R. Bentley, Annex 14 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-8, January 30, 2001, London, United Kingdom.
AS	30	Dr. David R. Bentley, Annex 15 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-4, January 30, 2001, London, United Kingdom.

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AS	31	Dr. David R. Bentley, Annex 16 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-38, January 30, 2001, London, United Kingdom.									
AS	32	Dr. David R. Bentley, Annex 17 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-4, January 30, 2001, London, United Kingdom.									
AS	33	Dr. David R. Bentley, Annex 18 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-2, January 30, 2001, London, United Kingdom.									
AS	34	Dr. David R. Bentley, Annex 19 to Expert Report of Dr. David Bentley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-4, January 30, 2001, London, United Kingdom.									
AS	36	Prof. Wolfgang Pfeleiderer, Expert Report and Annex 1, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-40 and 1-2, January 19, 2001, Konstanz, Germany.									
AS	36	Dr. David B. Wallace, Expert Report of David Bowen Wallace, P.E., PH.D., in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-55, January 18, 2001, London, United Kingdom.									
AS	37	Dr. David B. Wallace, Annex 1 to Expert Report of David Bowen Wallace, P.E., PH.D., in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-25, January 18, 2001, London, United Kingdom.									
AS	38	Dr. David B. Wallace, Annex 2 to Expert Report of David Bowen Wallace, P.E., PH.D., in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-24, January 18, 2001, London, United Kingdom.									
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AS	39	Dr. Paul H. Silverman, Statement of Dr. Paul Hyman Silverman and Exhibit PS-1, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645 and HC 1999 02517, pages 1-2 and 1-8, November 22, 2000, Irvine, California.					
AS	40	Prof. Edwin M. Southern, First Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-10, May 1, 2000, Oxford, United Kingdom.					
AS	41	Prof. Edwin M. Southern, Exhibit EMS-1 to First Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-14, May 1, 2000, Oxford, United Kingdom.					
AS	43	Prof. Edwin M. Southern, Exhibit EMS-2 to First Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-41, May 1, 2000, Oxford, United Kingdom.					
AS	44	Prof. Edwin M. Southern, Exhibit EMS-3 to First Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-58, May 1, 2000, Oxford, United Kingdom.					
AS	45	Prof. Edwin M. Southern, Fifth Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-13, January 22, 2001, Oxford, United Kingdom.					
AS	46	Prof. Edwin M. Southern, Annex 4 to Fifth Witness Statement of Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 04645, pages 1-7, January 22, 2001, Oxford, United Kingdom.					
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AS	47	Peter Jay Coassin, Witness Statement of Peter Jay Coassin, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-4, January 22, 2001, Fullerton, California.					
AS	48	Dr. Timothy S. Fell, Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-11, January 18, 2001, Oxford, United Kingdom.					
AS	49	Dr. Timothy S. Fell, Annex 1 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-5, January 18, 2001, Oxford, United Kingdom.					
AS	50	Dr. Timothy S. Fell, Annex 2 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-6, January 18, 2001, Oxford, United Kingdom.					
AS	50	Dr. Timothy S. Fell, Annex 3 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-8, January 18, 2001, Oxford, United Kingdom.					
AS	52	Dr. Timothy S. Fell, Annex 4 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-11, January 18, 2001, Oxford, United Kingdom.					
AS	53	Dr. Timothy S. Fell, Annex 5 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-2, January 18, 2001, Oxford, United Kingdom.					
AS	54	Dr. Timothy S. Fell, Annex 6 to Witness Statement of Timothy Stephen Fell, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-11, January 18, 2001, Oxford, United Kingdom.					
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AS	55	Stewart L. Huxley, Witness Statement of Stewart Leonard Huxley, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-2, January 8, 2001, Oxford, United Kingdom.					
AS	56	Martin G. Johnson, Witness Statement of Martin George Johnson, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case nos. HC 1999 02517, pages 1-7, January 19, 2001, Oxford, United Kingdom.					
AS	57	Ekins R., "Multi-analyte immunoassay", Journal of Pharmaceutical & Biomedical Analysis, Vo. 7, No. 2, pp. 155-168, 1989.					
AS	58	Kimura et al., "An Immobilized Enzyme Membrane Fabrication Method using an Ink Jet Nozzle", Biosensors, Vol. 4, pp. 41-52, 1988.					
AS	59	Geysen et al., "Strategies for epitope analysis using peptide synthesis", Journal of Immunological Methods, Vol. 102, pp. 259-274, 1987.					
AS	60	Monaco et al., "Human Genome Linking With Cosmids and Yeast Artificial Chromosomes", abstract from CSHS, p. 90, 1989.					
AS	63	Dr. Edwin Southern, Statutory Declaration of Dr. Edwin Southern, in the Opposition Proceedings against EP No. 0 619 321, pp. 1-17, Oct. 1999, Kidlington, United Kingdom.					
AS	64	Ekins R., "Why we should move towards non-isotopic immunoassay?", Presentation at International Symposium on Molecular Probes: Technology and Medical Applications, pp. 1-22, April 11-13, 1988, Florence, Italy.					
AS	65	Lysov et al., "A New Method for Determining the DNA Nucleotide Sequence by Hybridization with Oligonucleotides", Doklady Biochemistry, Vol. 303, pp. 436-438, Nov-Dec 1988.					
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AS	66	Professor Edwin Southern, Witness Statement of Professor Edwin Mellor Southern, in the United Kingdom litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pp. 1-40, January 2000, Kidlington, United Kingdom.					
	67	Bird and Bird, Notice of Opposition, in the Opposition Proceedings against EP No. 0 619 321 filed by Oxford Gene Technology, pp. 1-15, Oct. 1999, London, United Kingdom.					
	68	Dr. Edwin Southern, Statutory Declaration of Dr. Edwin Southern, in the Opposition Proceedings against EP No. 0 619 321, pp. 1-17, Oct. 1999, Oxford, United Kingdom.					
	69	Morris, Nichols, Arsht & Tunnell, Defendant's Motion for Leave to File a Second Amended Answer, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-16, April 2000, Wilmington, Delaware.					
	70	Dale Davis, Expert Report of Dale Davis, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-37, August 2000, Wilmington, Delaware.					
	71	Grant Morgan, Expert Report of Grant Morgan, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-15, August 2000, Atascadero, California.					
	72	Dr. Elias Corey, Expert Report of Dr. Elias James Corey, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-10, August 2000, Wilmington, Delaware.					
	73	Dr. James Wetmur, Expert Report of Dr. James G. Wetmur, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-29, August 2000, Wilmington, Delaware.					
↓	74	Morris, Nichols, Arsht & Tunnell, Memorandum of Points and Authorities In Support of Affymetrix's Opposition to OGT's Motion for Summary Judgment of Validity, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-13, September 2000, Wilmington, Delaware.					
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AS	75	Dr. James Wetmur, Declaration of James G. Wetmur in Support of Affymetrix's Opposition to OGT's Motion for Summary Judgment of Validity, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, p. 1, September 2000, Palo Alto, California.					
	76	Dr. James Wetmur, Expert Rebuttal Report of Dr. James G. Wetmur, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-45, September 2000, Palo Alto, California.					
	77	Dr. Martin Adelman, Expert Report - Martin J. Adelman, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-16, August 2000, Washington, D.C.					
	78	Dr. Elias Corey, Declaration of Dr. Elias James Corey in Support of Affymetrix' Opposition to OGT's Motion for Summary Judgment of Validity, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, p. 1, September 2000, Cambridge, Massachusetts.					
	79	Pretrial Order Exhibits 1-5 and 12-13, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-110, October 2000, Wilmington, Delaware.					
	80	Transcript of Markman Hearing, in the United States litigation between Oxford Gene Technology (OGT) v. Affymetrix, U.S. District Court for the District of Delaware, CA No. 99-348, pp. 1-149, October 2000, Wilmington, Delaware.					
	81	Wada A., Abstracts of Presentations at International Workshop on Automatic and High Speed DNA Base Sequencing, pp. 2-11, July 7-9, 1987, Okayama, Japan.					
	82	Wallace et al., "Hybridization of synthetic oligodeoxyribonucleotides to phi and 174 DNA: the effect of single base pair mismatch", Nucleic Acids Research, Vol. 6, No. 11, pp. 3543-3557, 1979.					
↓	83	Uwe Maskos, "A novel method of nucleic acid sequence analysis", Maskos Thesis submitted to University of Oxford, pp. 2-161, New College, Oxford, 1991.					
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				APPLICANT Edwin Southern			
				FILING DATE February 6, 2004		GROUP 1645	
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	84	Bannworth, W. et al., "A System for the Simultaneous Chemical Synthesis of Different DNA Fragments on Solid Support", DNA, Vol. 5, No. 5, pp. 413-419, 1986.					
	85	Lohrmann, R. et al., "New Solid Supports for DNA Synthesis", Fourth Annual Congress for Recombinant DNA Research, p. 122, 1984.					
	87	Goldkorn, T. et al., "A simple and efficient enzymatic method for covalent attachment of DNA to cellulose; Application for hybridization-restriction analysis and for in vitro synthesis of DNA probes", Nucleic Acids Research, Vol. 14, No. 22, pp. 9171-9191, 1986.					
	89	Duncan, C. et al., "Affinity Chromatography of a Sequence-specific DNA Binding Protein Using Teflon-linked Oligonucleotides", Analytical Biochemistry, Vol. 169, pp. 104-108, 1988.					
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	91	Nicholls, P. et al., "Nucleic Acid Analysis by Sandwich Hybridization", Journal of Clinical Laboratory Analysis, Vol. 3, pp. 122-135, 1989.					
	91	Wallace, R. et al., "The use of synthetic oligonucleotides as hybridization probes. II. Hybridization of oligonucleotides of mixed sequence to rabbit beta-globin DNA", Nucleic Acids Research, Vol. 9, No. 4, pp. 879-894, 1981.					
	92	File wrapper of S.N. 07/593,589 now abandoned.					
↓	93	File wrapper of S.N. 07/772,625 maturing into US 5,348,855 on September 1994 to Dattagupta et al.					
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AS	94	Sproat, B. et al., "A new linkage for solid phase synthesis of oligonucleotides", Nucleic Acids Research, Vol. 13, No. 8, pp. 2979-2987, 1985.					
	95	Kremsky, J. et al., "Immobilization of DNA via oligonucleotides containing an aldehyde or carboxylic acid group at the 5' terminus", Nucleic Acids Research, Vol. 15, No. 7, pp. 2891-2909, 1987.					
	96	Wolf, S. et al., "Rapid hybridization kinetics of DNA attached to submicron latex particles", Nucleic Acids Research, Vol. 15; No. 7, pp. 2911-2926, 1987.					
	97	Atkinson, T., "A convenient procedure for the synthesis of oligodeoxyribonucleotide affinity columns for isolation of mRNA", Nucleic Acids Research, Vol. 16, No. 13, p. 6232, 1988.					
	95	Court Transcript of Technology Tutorial, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-72, December 2003, Wilmington, Delaware.					
	100	Blank Rome LLP, OGT's Technology Tutorial, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-28, December 2003, Wilmington, Delaware.					
	101	Ashby & Geddes, Defendant Mergen, Ltd.'s Slide Presentation for the December 18, 2003 Tutorial, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-11, December 2003, Wilmington, Delaware.					
	102	Patton Boggs LLP, Defendant Clontech Laboratories Slide Presentation for the December 18, 2003 Tutorial, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-33, December 2003, Wilmington, Delaware.					
<div style="text-align: center; font-size: 2em;">V</div>	103	Kirkland & Ellis LLP, Letter to Perkins Coie LLP enclosing OGT's Claim Terms, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-6, April 2004, Chicago, Illinois.					
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AS	104	Perkins Cole LLP, Mergen Ltd.'s Claim Terms and Proposed Construction, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-7, April 2004, Menlo Park, California.					
	105	Dr. Paul Purdue, Expert Report of Paul Edward Purdue Ph.D., in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-10, May 2004, New York, NY.					
	108	Dr. Paul Purdue, Expert Report of Paul Edward Purdue Ph.D., in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-13, June 2004, New York, NY.					
	107	Potter Anderson & Corroon LLP, Defendant Mergen Ltd.'s Third Set of Supplemental Responses to Oxford Gene Technology Ltd's First and Second Set of Interrogatories, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-45, June 2004, Wilmington, Delaware.					
	108	Blank Rome LLP, Oxford Gene Technology Ltd.'s Claim Construction Brief, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-186, July 2004, Wilmington, Delaware.					
	109	Potter Anderson & Corroon LLP, Mergen Limited's Opening Claim Construction Brief, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-37, July 2004, Wilmington, Delaware.					
	110	Potter Anderson & Corroon LLP, Mergen Limited's Reply in Support of its Motion for Summary Judgment of Invalidity of Claim 1 of United States Patent NO. 6,054,270 Pursuant to 35 U.S.C. 112, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-9, August 2004, Wilmington, Delaware.					
↓	111	Potter Anderson & Corroon LLP, Declaration of Norbert Stahl in Support of Mergen Limited's Reply Brief in Support of its Motion for Summary Judgment of Invalidity of Claim 1 of United States Patent NO. 6,054,270 Pursuant to 35 U.S.C. 112, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-58, August 2004, Wilmington, Delaware.					
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AS	112	Blank Rome LLP, Oxford Gene Technology's Claim Construction Brief In Response to Mergen's Claim Construction Briefing; in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-118, August 2004, Wilmington, Delaware.					
	113	Order and Memorandum Opinion of the U.S. District Court on Claim Construction, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-20, September 2004, Wilmington, Delaware.					
	114	Order and Memorandum Opinion of the U.S. District Court on Expert Reports, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-23, November 2004, Wilmington, Delaware.					
	115	Order and Memorandum Opinion of the U.S. District Court on Summary Judgment, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-39, November 2004, Wilmington, Delaware.					
	116	Potter Anderson & Corroon LLP, Mergen Limited's Motion for Reconsideration of the Court's Order Granting in Part Oxford Gene Technology Limited's Motion for Partial Summary Judgment of Infringement, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-16, December 2004, Wilmington, Delaware.					
	117	Blank Rome LLP, Oxford Gene Technology Limited's Opposition to Mergen Limited's Motion for Reconsideration, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-28, December 2004, Wilmington, Delaware.					
	118	Potter Anderson & Corroon LLP, Mergen Limited's Reply in Support of its Motion for Reconsideration of the Court's Order, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-8, December 2004, Wilmington, Delaware.					
	119	Blank Rome LLP, Letter to Judge Jordan re claim terms, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-2, January 2005, Wilmington, Delaware.					
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AS	120	Order of the U.S. District Court on Mergen's Motion for Reconsideration, in the United States litigation between Oxford Gene Technology (OGT) v. Mergen Ltd et al., U.S. District Court for the District of Delaware, CA No. 02-1695, pp. 1-5, January 2005, Wilmington, Delaware.					
	121	Khrapko, K. et al., "An oligonucleotide hybridization approach to DNA sequencing", FEBS, Vol. 256, Nos. 1-2, pp. 118-122, October 1989.					
	122	Potter Anderson & Corroon LLP, Telechem International, Inc.'s Responses to Oxford Gene Technology Ltd's First Set of Interrogatories, in the United States litigation between Oxford Gene Technology (OGT) v. Telechem International et al., U.S. District Court for the District of Delaware, CA No. 04-013, pp. 1-22, October 2004, Wilmington, Delaware.					
	123	Polsky-Cynkin, R. et al., "Use of DNA Immobilized on Plastic and Agarose Supports to Detect DNA by Sandwich Hybridization", Clinical Chemistry, Vol. 31, No. 9, pp. 1438-1443, 1985.					
	124	Michael Best & Friedrich LLP, Oxford Gene Technology Limited's Opening Markman Brief, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-81, December 2003, Chicago, Illinois.					
	125	Brinks Hofer Gilson & Lione, Motorola's Response Markman Brief, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-39, January 2004, Chicago, Illinois.					
	126	Brinks Hofer Gilson & Lione, Motorola's Response Markman Brief, Exhibits A-Z, the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-195, January 2004, Chicago, Illinois.					
	127	Brinks Hofer Gilson & Lione, Motorola's Response Markman Brief, Exhibits A(1)-G(1), the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-51, January 2004, Chicago, Illinois.					
	128	Brinks Hofer Gilson & Lione, Motorola's Response Markman Brief, Exhibits 1-3, the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-23, January 2004, Chicago, Illinois.					
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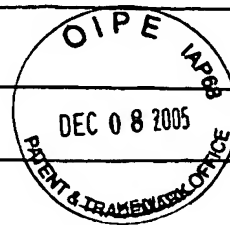
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AS	129	Michael Best & Friedrich LLP, OGT's Reply to Markman Brief, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-21, March 2004, Chicago, Illinois.					
	130	Michael Best & Friedrich LLP, OGT's Exhibit A Claim Chart, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-10, March 2004, Chicago, Illinois.					
	131	Michael Best & Friedrich LLP, OGT's Exhibit 1-9, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-139, March 2004, Chicago, Illinois.					
	132	Michael Best & Friedrich LLP, OGT's Exhibit H-R, in the United States litigation between Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, CA No. 02-9344, pp. 1-222, March 2004, Chicago, Illinois.					
	133	Civil Docket for CA No. 99-0348, Oxford Gene Technology (OGT) v. Affymetrix, Inc., U.S. District Court for Delaware, pp. 1-36, April 2005, Wilmington, Delaware.					
	134	Civil Docket for CA No. 02-1695, Oxford Gene Technology (OGT) v. Mergen, Ltd., U.S. District Court for Delaware, pp. 1-31, April 2005, Wilmington, Delaware.					
	135	Civil Docket for CA No. 04-0013, Oxford Gene Technology (OGT) v. Telechem International, Inc., U.S. District Court for Delaware, pp. 1-7, April 2005, Wilmington, Delaware.					
	136	Civil Docket for CA No. 02-1687, Oxford Gene Technology (OGT) v. Nanogen, Inc., U.S. District Court for Delaware, pp. 1-5, April 2005, Wilmington, Delaware.					
↓	137	Civil Docket for CA No. 02-9344, Oxford Gene Technology (OGT) v. Motorola, Inc., U.S. District Court for the Northeastern District of Illinois, pp. 1-4, April 2005, Chicago, Illinois.					
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## U.S. PATENT DOCUMENTS

DISSENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS		AA	4,216,245	8/1980	Johnson	427	2
		AB	4,395,486	7/1983	Wilson et al.	435	6
		AC	4,563,419	1/1986	Ranki et al.	435	6

## FOREIGN PATENT DOCUMENTS

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
↓	AD	0 235 726	9/1987	EP				
	AE	0 171 150	2/1986	EP				
	AF	85/01051	3/1985	WO				
	AG	0 268 237	5/1988	EP				
	AH							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	AI	Declaration from Radomir Crkvenjakov (with four exhibits), September 1996.
	AJ	Declaration from Ivan Labat , September 1996.
	AK	Statement from the Institute of Molecular Genetics and Genetic Engineering (IMGGE) in Belgrade, September 1996.
	AL	Statement by Professor Roger Ekins (with an abstract of a lecture given by him on 4/11/88 at a symposium, and a post-published paper corresponding to said lecture), December 1996.
	AM	Statutory Declaration of Dr. Nicholas Vaughan Ashely (with Exhibit NVA1), May 1995.
↓	AN	Statutory Declaration of Dr. William Bains (with Exhibits WB1, WB2 and WB3), May 1995.

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AS	BA	4,704,353	11/1987	Humphries et al.	435	4	
	BB	4,327,073	4/1982	Huang	424	1	
	BC	4,728,502	3/1988	Hamill	422	116	
	BD	5,002,867	3/1991	Macevicz	435	6	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BE	88/01302	2/1988	WO			
	BF	86/03782	7/1986	WO			
	BG	0 238 332	9/1987	EP			
	BH	2 156 074	10/1985	GB			
	BI	0 237 362	9/1987	EP			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BJ	Declaration of Professor Lubert Stryer, January 1997.					
	BK	Statutory Declaration of Dr. William Bains, January 1997.					
	BL	Statutory Declaration of Dr. Nicholas Vaughan Ashley, January 1997.					
	BM	Declaration of Edwin Mellor Southern (with Exhibits EMS1 and EMS2), January 1998.					
	BN	Declaration of Dr. Thomas Gingeras, January 1999.					
V	BO	Declaration of Professor Calvin Quate, January 1999.					
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AS	CA	5,202,231	4/1993	Drmanac et al.	435	6	
	CB	5,474,796	12/1995	Brennan	427	2.13	
	CC	5,429,807	7/1995	Matson et al.	422	131	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	CD	89/11548	11/1989	WO			
	CE	93/22480	11/1993	WO			
	CF	0 386 229	9/1990	EP			
	CG	0 281 927	9/1988	EP			
	CH	0 130 739	1/1985	EP			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CI	Declaration of Dr. Glenn Mc Gall, January 1999.					
	CJ	Declaration of Edwin Mellor Southern, July 2001.					
	CK	Bird & Bird, "Claimant's Notice of Experiments", In the United Kingdom Litigation between Oxford Gene Technology (OGT) v. Affymetrix, case no. HC 1999 02517, pp. 1-12, July 31, 2000, London, United Kingdom.					
	CL	Declaration of Marvin Stodolsky, October 1996.					
	CM	M. S. Urdea et al., "A novel method for the rapid detection of specific nucleotide sequences in crude biological samples without blotting or radioactivity; application to the analysis of hepatitis B virus in human serum", Gene, Vol. 61, 1987, pp. 253-264.					
V	CN	C. G. Miyada et al., "Oligonucleotide Hybridization Techniques", Methods in Enzymology, Vol. 154, No. 6, 1987, pp. 94-107.					
EXAMINER				DATE CONSIDERED			

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Sheet 4 of 13		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date Submitted to PTO: December 8, 2005				ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467	
				APPLICANT Edwin SOUTHERN			
				FILING DATE February 6, 2004		GROUP 1645	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	DA	4,591,570	5/1986	Chang	436	518	
	DB						
	DC						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	DD	0 228 075	7/1987	EP			
	DF	84/03151	8/1984	WO			
	DF	0 194 132	9/1986	EP			
	DG	0 063 810	11/1982	EP			
	DH	0 130 523	1/1985	EP			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DJ	E. Calva et al., "Analysis of the in vitro Synthesis of 5'- $\gamma$ - <sup>32</sup> P-labeled Transcripts from Coliphage $\lambda$ by Gel Electrophoresis, RNA-DNA Hybridization, and RNase T1 Digestion", The Journal of Biological Chemistry, Vol. 255, No. 22, 1980, pp. 11011-11016.					
	DJ	A. R. Dunn et al., "A Novel Method to Map Transcripts: Evidence for Homology between an Adenovirus mRNA and Discrete Multiple Regions of the Viral Genome", Cell, Vol. 12, September 1977, pp. 23-36.					
	DK	G. Wengler et al., "A Study of Nucleotide Sequence Homology Between the Nucleic Acids of Different Alphaviruses", Virology, Vol. 78, No. 1, 1977, pp. 124-134.					
	DL	J. M. Coffin et al., "Structure of the Genome of Moloney Murine Leukemia Virus: A Terminally Redundant Sequence" Cell, Vol. 13, No. 4, April 1978, pp. 761-773.					
	DM	A. Palva et al., "Laboratory Methods, Quantification of $\alpha$ -Amylase mRNA in <i>Bacillus subtilis</i> by Nucleic Acid Sandwich with Hybridization", DNA, Vol. 7, No. 2, 1988, pp. 135-142.					
↓	DN	R. Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method", abstract presented at Cold Spring Harbor Symposium on Gene Mapping and Sequencing, April 27-May 1, 1988, Cold Spring Harbor, NY.					
EXAMINER				DATE CONSIDERED			

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			APPLICANT Edwin SOUTHERN				
			FILING DATE February 6, 2004		GROUP 1645		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
	EB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	EC	0 142 299	5/1985	EP			
	ED	86/06487	11/1986	WO			
	EE	84/03564	9/1984	WO			
	EF	86/00991	2/1986	WO			
	EG	92/10092	6/1992	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	EH	R. Drmanac et al., "Sequencing by Hybridization , Theory of the Method", poster presented at Cold Spring Harbor Symposium on Gene Mapping and Sequencing, April 27-May 1, 1988, Cold Spring Harbor, NY.					
	EI	I. Labat, "Subfragments as an informative characteristic of the DNA molecule - computer simulation", Search Report, Labat Thesis, (and English translation), 1988.					
	EJ	R. Frank et al., "Simultaneous Synthesis and Biological Applications of DNA Fragments: An Efficient and Complete Methodology", Methods in Enzymology, Vol. 154, No. 13, 1987, pp. 221-251.					
	EK	R. Frank et al., "A new general approach for the simultaneous chemical synthesis of large number of oligonucleotides: segmental solid supports", Nucleic Acids Research, Vol. 11, No. 13, 1983, pp. 4365-4377.					
	EL	A. R. Brautigam et al., "Rapid Typing of Herpes Simplex Virus Isolates by Deoxyribonucleic Acid: Deoxyribonucleic Acid Hybridization", Journal of Clinical Microbiology, Vol. 12, No. 2, August 1980, pp. 226-234.					
↓	EM	R. K. Saiki et al., "Analysis of Enzymatically Amplified $\beta$ -globin and HLA-DQ $\alpha$ DNA with Allele-Specific Oligonucleotide Probes", Nature, Vol. 324, November 1986, pp. 163-166.					
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	FA						
	FB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	FC	0 305 929	3/1989	EP			
AS	FD	0 304 202	2/1989	EP			
	FE						
	FF						
	FG						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	FH	A. Rosenthal et al., "Solid-phase methods for sequencing of nucleic acids I. Simultaneous sequencing of different oligodeoxyribonucleotides using a new, mechanically stable anion-exchange paper", Nucleic Acid Research, Vol. 13, No. 4, November 4, 1985, pp. 1173-1184.					
	FI	B. Lewin, Ed., "Genes", Third Edition, 1987, pp. 360-362, John Wiley & Sons, NY, NY.					
	FJ	R. B. Wallace et al., "Hybridization of Synthetic Oligodeoxyribonucleotides to O <sub>x</sub> 174 DNA: The Effect of Single Base Pair Mismatch", Nucleic Acids Research, Vol. 6, No. 11, 1979, pp. 3543-3557.					
	FK	G. Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods", Methods in Enzymology, Vol. 100, No. 19, 1983, pp. 266-285.					
	FL	Doklady Biochemistry, Proceedings of the Academy of Sciences of the USSR, Biochemistry Section, Russian Original, Vol. 303, No. 1-6, November-December 1988, pp. 355-452 and Translation from Russian, Consultants Bureau, New York, Plenum Publishing Corporation, 1989, pp. 436-438.					
	FM	F. C. Kafatos et al., "Determination of Nucleic Acid Sequence Homologies and Relative Concentrations by a dot Hybridization Procedure", Nucleic Acids Research, Vol. 7, No. 6, 1979, pp. 1541-1552.					
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		APPLICANT Edwin SOUTHERN					
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	GA						
	GB						
	GC						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	GD						
	GE						
	GF						
	GG						
	GH						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	GI	R. J. Lipshutz et al., "Using Oligonucleotide Probe Arrays to Access Genetic Diversity", BioTechniques, Vol. 19, No. 3, 1995, pp. 442-447.					
	GJ	T. R. Gingeras et al., "Hybridization Properties of Immobilized Nucleic Acid", Nucleic Acids Research, Vol. 15, No. 13, 1987, pp. 5373-5390.					
	GK	P.T. Gilham, "The Synthesis of Polynucleotide-Celluloses and Their use in the Fractionation of Polynucleotides", J. Am. Chem. Soc., Vol. 86, November 20, 1964, pp. 4982-4985.					
	GL	H. M. Geysen et al., "Strategies for Epitope Analysis using Peptide Synthesis", Journal of Immunological Methods, Vol. 102, 1987, pp. 259-274.					
	GM	G. M. Church et al., "Genomic Sequencing", Proc. Natl. Acad. Sci., Vol. 81(7), April 1984, pp. 1991-1995.					
↓	GN	V. J. Kidd et al., "α <sub>1</sub> -Antitrypsin Deficiency Detection by Direct Analysis of the Mutation in the Gene", Nature, Vol. 304, July 1983, pp. 230-234.					
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Date Submitted to PTO: December 8, 2005

SERIAL NO.  
10/772,467

**APPLICANT**  
**Edwin SOUTHERN**

**FILING DATE**  
**February 6, 2004**

**GROUP  
1645**

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HA						
	HB						
	HC						
	HD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	HE							
	HF							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	HI	P. Masinkowski et al., "Cloning f cDNA Sequences of Hormone-regulated Gene from the MCF-7 Human Breast Cancer Cell Line", <i>Nucleic Acids Research</i> , Vol. 10, No. 24, 1982, pp. 7895-7903.
	HH	G. K. Sim et al., "Use of a cDNA Library for Studies on Evolution and Development Expression of the Chorion Multigene Families", <i>Cell</i> , Vol. 18, No. 4, December 1979, pp. 1303-1316.
	HI	Margaret L. M. Anderson et al., "Quantitative Filter Hybridisation", <i>Nucleic Acid Hybridisation, A Practical Approach</i> , 1985, pp. 73-111, IRL Press, Washington, D.C.
	HJ	W. Bains et al., "A Novel Method for Nucleic Acid Sequence Determination", <i>J. Theor. Biol.</i> , Vol. 135, 1988, pp. 303-307.
	HK	U. B. Voss et al., "The Immobilization of Oligonucleotides and Their Hybridization Properties", <i>Biochemical Society Transactions</i> , Vol. 16, 1988, pp. 216-217.
	HL	Ghosh et al., "Covalent Attachment of oligonucleotides to Solid Supports", <i>Nucleic Acids Research</i> , Vol. 15, No. 13, 1987, pp. 5353-5372.
	HM	Federation Proceedings, Vol. 43, No. 7, May 4, 1984, Abstract 3669.
↓	HN	T. Maniatis et al., "Molecular Cloning", <i>A Laboratory Manual</i> , Cold Spring Harbor Laboratory, 1982, p. 282, Cold Spring Harbor, NY.

DATE CONSIDERED

Sheet 9 of 13		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: December 8, 2005		ATTY DOCKET NO. 2004_0200		SERIAL NO. 10/772,467		APPLICANT Edwin SOUTHERN	
		FILING DATE February 6, 2004		GROUP 1645			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
IA							
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
IB							
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	IC	C. R. Cantor et al., "Report on the Sequencing by Hybridization Workshop", Genomics, Vol. 13, 1992, pp. 1378-1383.					
	IE	T. L. Bugawan et al., "Rapid HLA-DLB Typing Using Enzymatically Amplified DNA and Nonradioactive Sequencing-Specific Oligonucleotide Probes", Immunogenetics, Vol. 32, 1990, pp. 231-241.					
	IE	Global Technology Group, Flier for PA Consulting Group, 1988.					
	IF	Stephen P. A. Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", Science, Vol. 251, February 15, 1991, pp. 767-773.					
	IG	U. Maskos et al., "A Study of Oligonucleotide Reassociation using Large Arrays of Oligonucleotides Synthesised on a Glass Support", Nucleic Acids Research, Vol. 21, No. 20, 1992, pp. 4663-4669.					
	IH	U. Maskos et al., "Parallel Analysis of Oligodeoxyribonucleotide (Oligonucleotide) Interactions. I. Analysis of Factors Influencing Oligonucleotide Duplex Formation", Nucleic Acids Research, Vol. 20, No. 7, 1992, pp. 1675-1678.					
	II	J. C. Williams et al., "Studies of Oligonucleotide Interactions by Hybridisation to Arrays: The Influence of Dangling Ends on Duplex Yield", Nucleic Acids Research, Vol. 22, No. 8, 1994, pp. 1365-1367.					
	IJ	E. M. Southern et al., "Arrays of Complementary Oligonucleotides for Analysing the Hybridisation Behaviour of Nucleic Acids, Nucleic Acids Research, Vol. 22, No. 8, 1994, pp. 1368-1373.					
	IK	M. S. Shchepinov et al., "Steric Factors Influencing Hybridisation of Nucleic Acids to Oligonucleotide Arrays", Nucleic Acids Research, Vol. 25, No. 6, 1997, pp. 1155-1161.					
V	IL	S. C. Case-Green et al., "Studies on the Base Pairing Properties of Deoxyinosine by Solid Phase Hybridisation to Oligonucleotides", Nucleic Acids Research, Vol. 22, No. 2, 1994, pp. 131-136.					
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		APPLICANT Edwin SOUTHERN					
		FILING DATE February 6, 2004				GROUP 1645	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JA							
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
JB							
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	JC	U. Maskos et al., "A Novel Method for the Parallel Analysis of Multiple Mutations in Multiple Samples", Nucleic Acids Research, Vol. 21, No. 9, 1993, 2269-2270.					
	JD	M. J. Kozal et al., "Extensive Polymorphisms Observed in HIV-1 Clade B Protease Gene Using High-Density Oligonucleotide Arrays", Nature Medicine, Vol. 2, No. 7, July 1996, pp. 753-759.					
	JE	M. Chee et al., "Accessing Genetic Information with High-Density DNA Arrays", Science, Vol. 274, October 1996, pp. 610-614.					
	JF	Kirk -Othmer, Encyclopedia of Chemical Technology, Third Edition, Vol. 3, pp. 487-491, 1978.					
	JG	Kirk-Othmer, Encyclopedia of Chemical Technology, Third Edition, Vol. 15, p. 224, 1981.					
	JH	R. Polsky-Cynkin et al., "Use of DNA Immobilized on Plastic and Agarose Supports to Detect DNA by Sandwich Hybridization, Clinical Chemistry, Vol. 31, No. 9, 1985, pp. 1438-1443.					
	JI	J. Welsh et al., "Protein-DNA Cross-Linking" TIBS, Vol. 9, December 1984, pp. 505-508.					
	JJ	G. H. Parsons, Jr., "Antibody-Coated Plastic Tubes in Radioimmunoassay", Meth., Enzymol., Vol. 73, 1973, pp. 224-238.					
V	JK	Southern et al., Genomics, "Analyzing and Comprising Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides", Vol.13, 1992, pp. 1008-1017.					
	JL						
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	KA	5,486,452	1/1996	Gordon et al.	435	5	
	KB	4,994,373	2/1991	Stavrianopoulos et al.	435	6	
	KC	4,968,602	11/1990	Dattagupta	435	6	
	KD	4,961,915	10/1990	Martin	422	116	
	KE	4,849,330	7/1989	Humphries et al.	435	4	
	KF	4,451,433	5/1984	Yamashita et al.	422	63	
	KG	5,202,231	4/1993	Drmanac	435	6	
	KH	4,299,916	11/1981	Litman et al.	435	6	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	KI	84/01031	3/1984	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	KJ	Webster's Third New International Dictionary, G & C Merriam Company, Publishers, Springfield, Massachusetts, USA, 1966, pages with the definitions of the terms "solid" and "sheet".					
	KK	The American Heritage Dictionary, Second College Edition, Houghton Mifflin Company, Boston, Massachusetts, 1991, page with the definition of the term "smooth".					
	KL	The Dictionary of Ceramic Science and Engineering, Plenum Press, New York, NY, 1984 - definition of "smooth glass".					
	KM	Academic Press Dictionary of Science and Technology, San Diego, CA, 1992 - definition of "smooth".					
	KN	S. F. Wolf et al., "Rapid Hybridization Kinetics of DNA Attached to Submicron Latex Particles", Nucleic Acids Research, Vol. 15, No. 7, 1987, pp. 2911-2926.					
	KO	J. N. Kremsky et al., "Immobilization of DNA via Oligonucleotides Containing an Aldehyde or Carboxylic Acid Group at the 5' Terminus", Nucleic Acids Research, Vol. 15, No. 7, 1987, pp. 2891-2909.					
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	LA						
	LB						
	LC						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	LD						
	LE						
	LF						
	LG						
	LH						
<b>OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
AS	LI	Letter to Simon Kiddle from Dr. Renzo Malvano, November 2002.					
AS	LL	Letter to Simon Kiddle from Dr. Gian Carlo Zucchelli, November 2002.					
AS	LK	Declaration of Professor Alberto Albertini, November 2002.					
AS	LL	Declaration of Dr. Gianni Messeri, November 2002.					
AS	LM	Second Statement of Professor Roger Ekins, January 2003.					
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			GROUP 1645				
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	MA						
	MB						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	MC						
	MD						
<b>OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
AS	ME	Slides used in Professor Ekins' lecture at the International Biotech RIA '88 Conference in Florence on 11 <sup>th</sup> April 1988.					
	MF	Lev. D. Gelb and K.E. Gubbins, "Characterization of Porous Glasses by Adsorption: Models, Simulations and Data Inversion", Fundamentals of Adsorption, Vol. 6, 1999, pp. 551-556.					
	MG	Pharmacia Catalogue 1998, page describing Hybond-NX.					
	MH	Translation of EP A 0197266 filed for UK national validation, 1991.					
	MI	E. M. Southern, Award Molecular Bioanalytics 2004, Biography.					
	MJ	Award Molecular Bioanalytics 2004.					
	MK	Bio Array News, Vol. 1, No. 1, June 1, 2001, pp. 1-10.					
↓	ML	News Events, Journal of Biomolecular Techniques, Vol. 15, 2004, pp. 152-153.					
EXAMINER				/Anna Skibinsky/			
				DATE CONSIDERED 02/13/2007			

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